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I hereby certify that this paper or fee is being deposited with the United States Postal Service in "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

*Judith A. White*  
Judith A. White

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Eric R. BENSON; Qin ZHANG and John F. REID

For: A FUZZY LOGIC METHOD FOR ADAPTIVELY EVALUATING  
THE VALIDITY OF SENSOR DATA

Atty. Docket No.: 1426.009  
PTO Customer No.: 023907

**PATENT APPLICATION TRANSMITTAL**

Honorable Assistant Commissioner  
of Patents and Trademarks  
Washington, D. C. 20231

Dear Sir:

Enclosed herewith for filing with the United States Patent and Trademark Office is the patent application of Eric R. BENSON; Qin ZHANG and John F. REID entitled A FUZZY LOGIC METHOD FOR ADAPTIVELY EVALUATING THE VALIDITY OF SENSOR DATA.

Enclosed please find:

1.  Specification including 21 pages;
2.  Abstract - 1 page;
3.  Claims 1 through 15;
4.  Drawings - 7 sheets of informal/formal drawings, size A4;
5.  Declaration and Power of Attorney (4 pages)
6.  Small Entity Declaration:
7.  Assignment Transmittal form (3 pages), Assignment to The Board of

**Trustees of the University of Illinois**, (3 pages) and our check in the amount of **\$40.00** for the official recording fee.

8.  A preliminary amendment is enclosed.

9.  Information Disclosure Statement (IDS) is enclosed:

- PTO-1449
- Copies of IDS Citations.

10.  The filing fee is calculated as follows:

CLAIMS	FOR	NUMBER FILED	HIGHEST NUMBER PREVIOUSLY PAID FOR	NUMBER EXTRA	RATE	TOTAL DUE
	TOTAL CLAIMS (37 CFR §1.16(c) or (j))	15 - 20	0	-0-	X \$18.00	\$ -0-
	INDEPENDENT CLAIMS (37 CFR §1.16(b) or (i))	3 - 3	0	-0-	X \$80.00	\$ -0-
				BASIC FEE (37 CFR §1.16)		\$ 710.00
			TOTAL OF ABOVE CALCULATIONS			\$ 710.00
			Reduction by 50% for filing by small entity (Note 37 CFR §1.27)			\$ n/a
			<b>TOTAL</b>			<b>\$ 710.00</b>

11.  The Commissioner is hereby authorized to credit overpayments or charge the following fees to Deposit Account No. 14-1080:

- Fees required under 37 CFR §1.16.
- Fees required under 37 CFR §1.17.
- Fees required under 37 CFR §1.18.

12.  A check in the amount of **\$710.00** is enclosed.

13.  Payment by credit card. Form PTO-2038 is attached.

14.  Return Receipt Postcard (*Should be specifically itemized, see MPEP 503*)

15.  Other: \_\_\_\_\_

16. SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED:

Name:  
(Print/Type)

Stephen Michael Patton

Signature:

Reg. No.  
(Attorney/Agent)

Date:

2 February 2001